## SEOUENCE LISTING

- (1) GENERAL INFORMATION:
  - (i) APPLICANT: Amgen Inc.
  - (ii) TITLE OF INVENTION: COMBINATION THERAPY USING A TNF BINDING PROTEIN FOR TREATING TNF-MEDIATED DISEASES
  - (iii) NUMBER OF SEQUENCES: 4
  - (iv) CORRESPONDENCE ADDRESS:
    - (A) ADDRESSEE: Amgen Inc.
    - (B) STREET: 1840 DeHavilland Drive
    - (C) CITY: Thousand Oaks
    - (D) STATE: CA
    - (E) COUNTRY: US
    - (F) ZIP: 91320-1789
  - (v) COMPUTER READABLE FORM:
    - (A) MEDIUM TYPE: Floppy disk
    - (B) COMPUTER: IBM PC compatible
    - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
    - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
  - (vi) CURRENT APPLICATION DATA:
    - (A) APPLICATION NUMBER: NOT YET KNOWN (B) FILING DATE: 08-DEC-1997

    - (C) CLASSIFICATION:
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: US 60/032,587
    - (B) FILING DATE: 06-DEC-1996
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: US 60/036,355
    - (B) FILING DATE: 23-JAN-1997
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: US 60/039,315
    - (B) FILING DATE: 07-FEB-1997
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: US 60/052,023

(C) REFERENCE/DOCKET NUMBER: A-430D

- (B) FILING DATE: 09-JUL-1997
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Zindrick, Thomas K.
  - (B) REGISTRATION NUMBER: 32,185
- (2) INFORMATION FOR SEQ ID NO:1:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 483 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: unknown
    - (D) TOPOLOGY: unknown
  - (ii) MOLECULE TYPE: cDNA

(ix) FEATURE:

(A) NAME/KEY: CDS
(B) LOCATION: 1..483

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GAT Asp 1	AGT Ser	GTG Val	TGT Cys	CCC Pro 5	CAA Gln	GGA Gly	AAA Lys	TAT Tyr	ATC Ile 10	CAC His	CCT Pro	CAA Gln	AAT Asn	AAT Asn 15	TCG Ser	4	18
											TTG Leu					9	96
											TGT Cys					14	14
TTC Phe	ACC Thr 50	GCT Ala	TCA Ser	GAA Glu	AAC Asn	CAC His 55	CTC Leu	AGA Arg	CAC His	TGC Cys	CTC Leu 60	AGC Ser	TGC Cys	TCC Ser	AAA Lys	19	92
TGC Cys 65	CGA Arg	AAG Lys	GAA Glu	ATG Met	GGT Gly 70	CAG Gln	GTG Val	GAG Glu	ATC Ile	TCT Ser 75	TCT Ser	TGC Cys	ACA Thr	GTG Val	GAC Asp 80	24	10
CGG Arg	GAC Asp	ACC Thr	GTG Val	TGT Cys 85	GGC Gly	TGC Cys	AGG Arg	AAG Lys	AAC Asn 90	CAG Gln	TAC Tyr	CGG Arg	CAT His	TAT Tyr 95	TGG Trp	28	88
											CTC Leu					33	6
ACC Thr	GTG Val	CAC His 115	CTC Leu	TCC Ser	TGC Cys	CAG Gln	GAG Glu 120	AAA Lys	CAG Gln	AAC Asn	ACC Thr	GTG Val 125	TGC Cys	ACC Thr	TGC Cys	38	14
											GTC Val 140					43	2
TGT Cys 145	AAG Lys	AAA Lys	AGC Ser	CTG Leu	GAG Glu 150	TGC Cys	ACG Thr	AAG Lys	TTG Leu	TGC Cys 155	CTA Leu	CCC Pro	CAG Gln	ATT Ile	GAG Glu 160	48	0
AAT Asn																48	3

## (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 161 amino acids
    (B) TYPE: amino acid
    (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Asp 1	Ser	Val	Суѕ	Pro 5	Gln	Gly	Lys	Tyr	Ile 10		Pro	Gln	Asr	ı Asr 15	Ser	
Ile	Cys	Cys	Thr 20	Lys	Cys	His	Lys	Gly 25		Tyr	Leu	Tyr	Asn 30	ı Asp	Cys	
Pro	Gly	Pro 35	Gly	Gln	Asp	Thr	Asp 40	Cys	Arg	Glu	Cys	Glu 45		Gly	Ser	
Phe	Thr 50	Ala	Ser	Glu	Asn	His 55	Leu	Arg	His	Cys	Leu 60		Cys	Ser	Lys	
Cys 65	Arg	Lys	Glu	Met	Gly 70	Gln	Val	Glu	Ile	Ser 75	Ser	Cys	Thr	Val	Asp 80	
Arg	Asp	Thr	Val	Cys 85	Gly	Cys	Arg	Lys	Asn 90	Gln	Tyr	Arg	His	Tyr 95	Trp	
Ser	Glu	Asn	Leu 100	Phe	Gln	Cys	Phe	Asn 105	Cys	Ser	Leu	Cys	Leu 110		Gly	
Thr	Val	His 115	Leu	Ser	Суѕ	Gln	Glu 120	Lys	Gln	Asn	Thr	Val 125	Cys	Thr	Cys	
His	Ala 130	Gly	Phe	Phe	Leu	Arg 135	Glu	Asn	Glu	Cys	Val 140	Ser	Cys	Ser	Asn	
Cys 145	Lys	Lys	Ser	Leu	Glu 150	Cys	Thr	Lys	Leu	Cys 155	Leu	Pro	Gln	Ile	Glu 160	
Asn																
(2)	INFO	ORMAT	TION	FOR	SEQ	ID N	10:3:									
	(i)	( A ( E ( C	A) LE B) TY C) ST	NGTH PE: RAND	: 70 nucl	TERI 5 ba eic SS: unkn	se p ació unkr	airs l	5							
	(ii)	MOL	ECUL	E TY	PE:	CDNA	•									
	(ix)	(A	TURE ) NA ) LO	ME/K		CDS 17	05									
						PTIO										
TTG Leu 1	CCC Pro	GCC Ala	CAG Gln	GTG Val 5	GCA Ala	TTT Phe	ACA Thr	CCC Pro	TAC Tyr 10	GCC Ala	CCG Pro	GAG Glu	CCC Pro	GGG Gly 15	AGC Ser	48
ACA Thr	TGC Cys	CGG Arg	CTC . Leu . 20	AGA Arg	GAA Glu	TAC Tyr	TAT Tyr	GAC Asp 25	CAG Gln	ACA Thr	GCT Ala	CAG Gln	ATG Met 30	TGC Cys	TGC Cys	96
AGC . Ser	AAG Lys	TGC Cys 35	TCG ( Ser	CCG Pro	GGC Gly	CAA ( Gln )	CAT His 40	GCA Ala	AAA Lys	GTC Val	TTC Phe	TGT Cys 45	ACC Thr	AAG Lys	ACC Thr	144
TCG (	GAC .	ACC (	GTG '	TGT (	GAC	TCC '	TGT (	GAG	GAC	AGC .	ACA	TAC	ACC	CAG	CTC	192

Ser	Asp 50	Thr	Val	Суѕ	Asp	Ser 55	Cys	Glu	Asp	Ser	Thr 60	Tyr	Thr	Gln	Leu		
					GAG Glu 70											2	240
					CAA Gln											2	888
			-		TGG Trp			-	-	_		-	-			3	336
					CTG Leu											3	884
					ACA Thr											4	132
					ACG Thr 150											4	180
					GTG Val											5	528
					TCC Ser											5	576
					GTG Val											6	524
					GCT Ala											6	572
					GAA Glu 230												705

## (2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 235 amino acids (B) TYPE: amino acid

  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Leu Pro Ala Gl<br/>n Val Ala Phe Thr Pro Tyr Ala Pro Glu Pro Gly Ser 1<br/>  $\phantom{0}$  5

Thr Cys Arg Leu Arg Glu Tyr Tyr Asp Gln Thr Ala Gln Met Cys Cys 20 25 30

Ser Lys Cys Ser Pro Gly Gln His Ala Lys Val Phe Cys Thr Lys Thr Ser Asp Thr Val Cys Asp Ser Cys Glu Asp Ser Thr Tyr Thr Gln Leu 55 Trp Asn Trp Val Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Ser 65 70 75 80 Asp Gln Val Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys Thr Cys Arg Pro Gly Trp Tyr Cys Ala Leu Ser Lys Gln Glu Gly Cys Arg Leu Cys Ala Pro Leu Arg Lys Cys Arg Pro Gly Phe Gly Val Ala Arg Pro Gly Thr Glu Thr Ser Asp Val Val Cys Lys Pro Cys Ala Pro Gly Thr Phe Ser Asn Thr Thr Ser Ser Thr Asp Ile Cys Arg Pro His 150 Gln Ile Cys Asn Val Val Ala Ile Pro Gly Asn Ala Ser Arg Asp Ala Val Cys Thr Ser Thr Ser Pro Thr Arg Ser Met Ala Pro Gly Ala Val His Leu Pro Gln Pro Val Ser Thr Arg Ser Gln His Thr Gln Pro Thr 200 205 Pro Glu Pro Ser Thr Ala Pro Ser Thr Ser Phe Leu Leu Pro Met Gly Pro Ser Pro Pro Ala Glu Gly Ser Thr Gly Asp